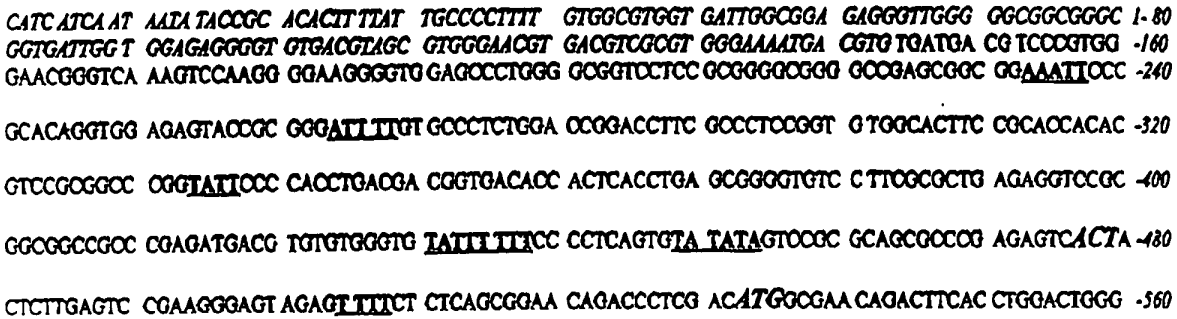
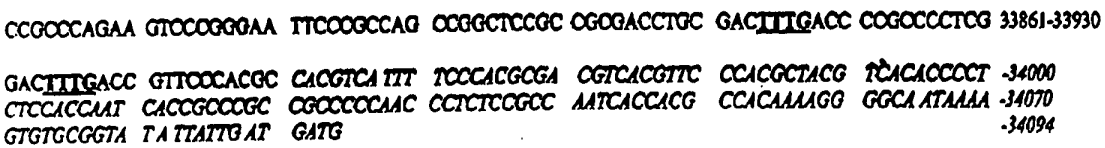
Figures 1A-1B

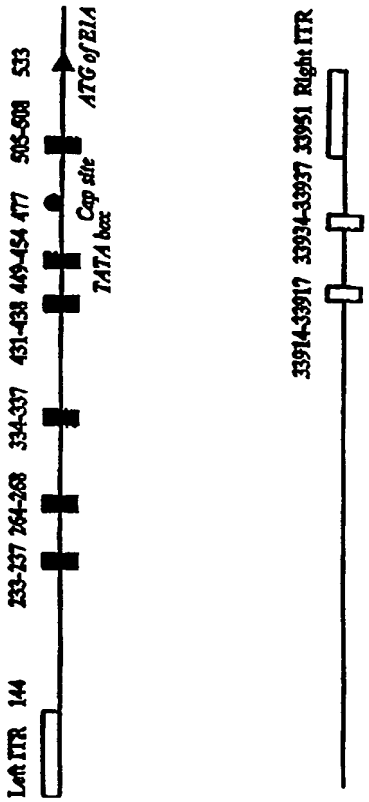
1A



1B



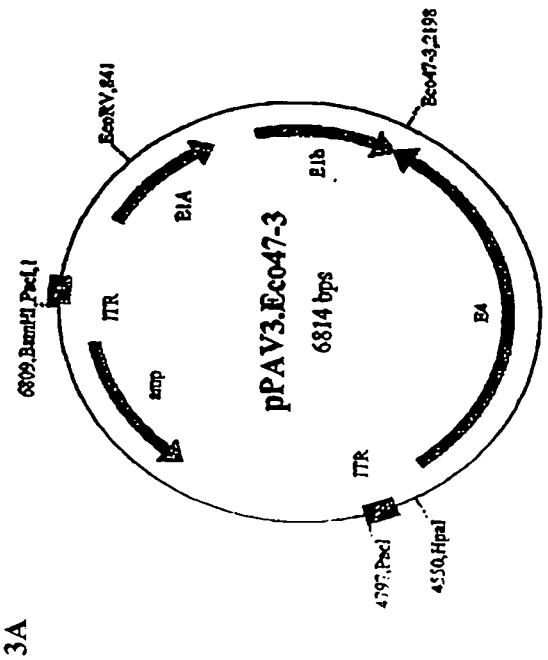
Figures 2A-2B



2A

2B

Figures 3A-3B



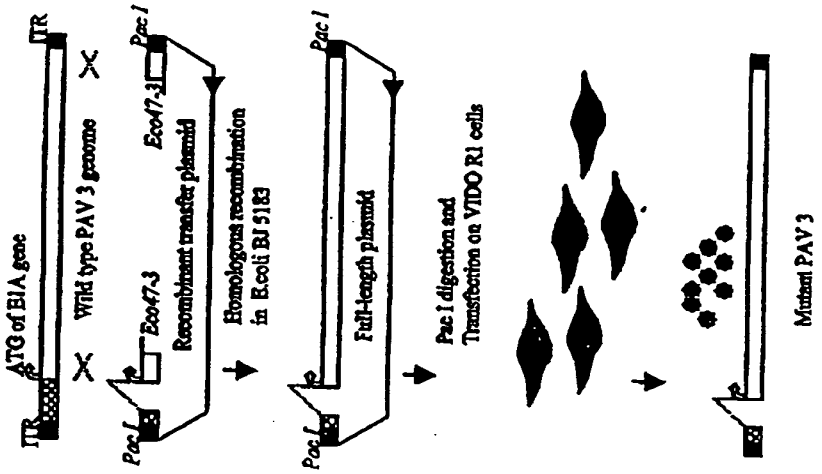
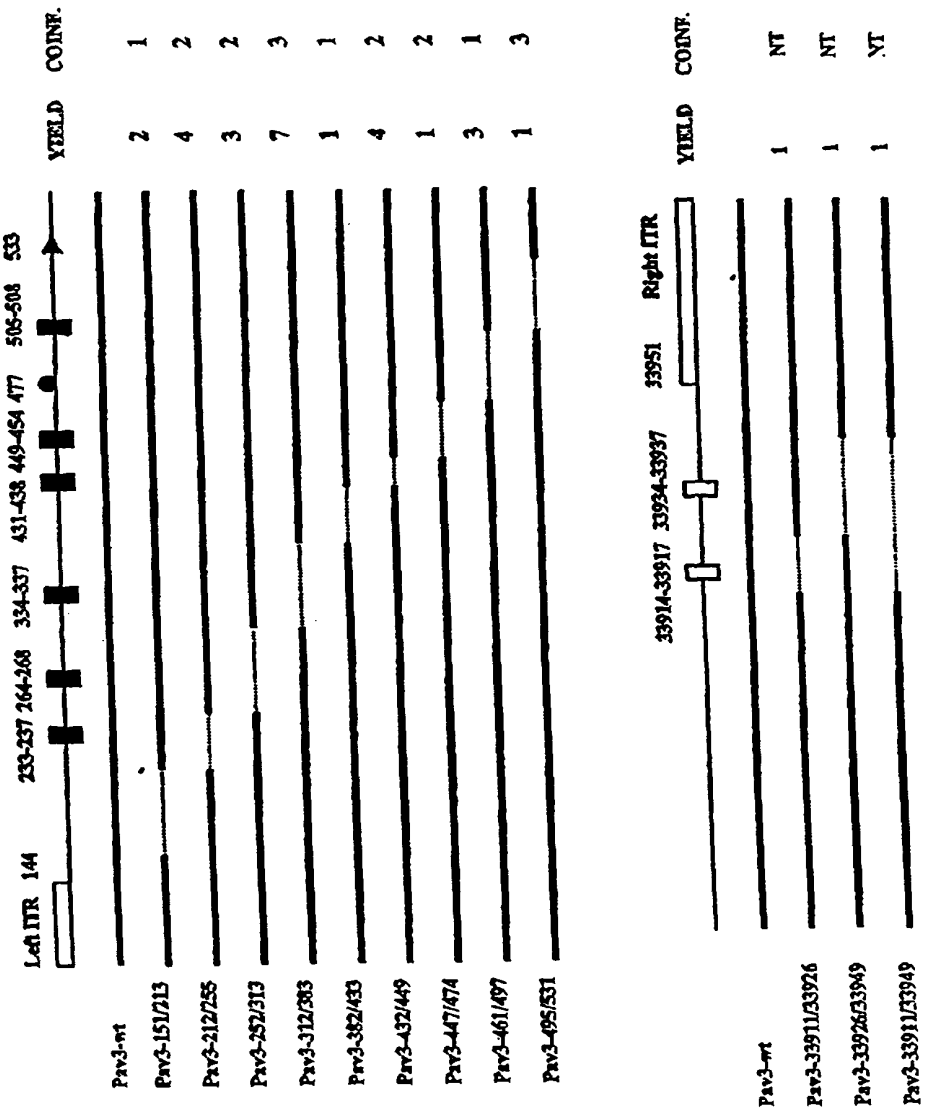


Figure 4


Left ITR
144
233-237
264-268
334-337
431-438
449-454
477
505-508
533
YIELD
CONF.
Pav3-wt
Pav3-151/213
Pav3-212/255
Pav3-252/313
Pav3-312/383
Pav3-382/433
Pav3-432/449
Pav3-447/474
Pav3-461/497
Pav3-495/531
2 1
4 2
3 2
7 3
1 1
4 2
1 2
3 1
1 3
33914-33917
33934-33937
33951
Right ITR
YIELD
CONF.
Pav3-wt
Pav3-33911/33926
Pav3-33926/33949
Pav3-33911/33949
1 NT
1 NT
1 NT

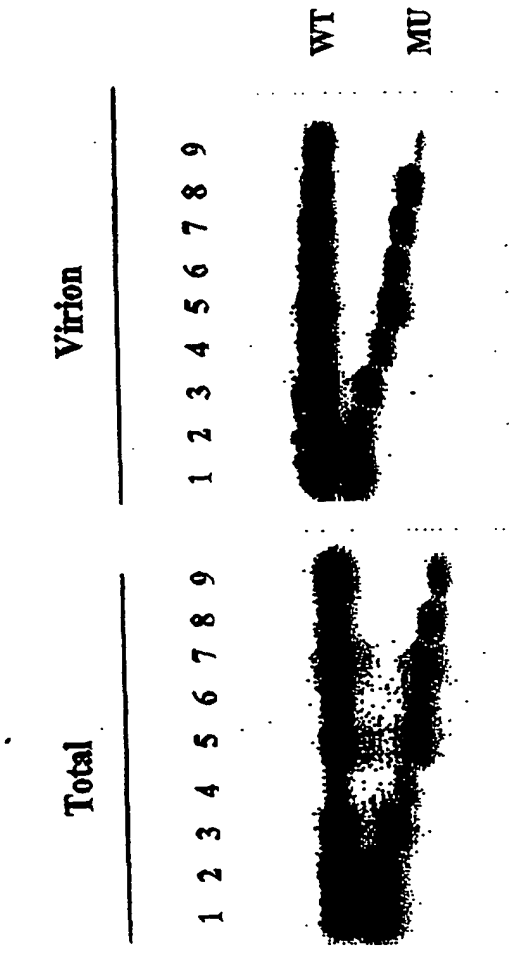


Figure 5

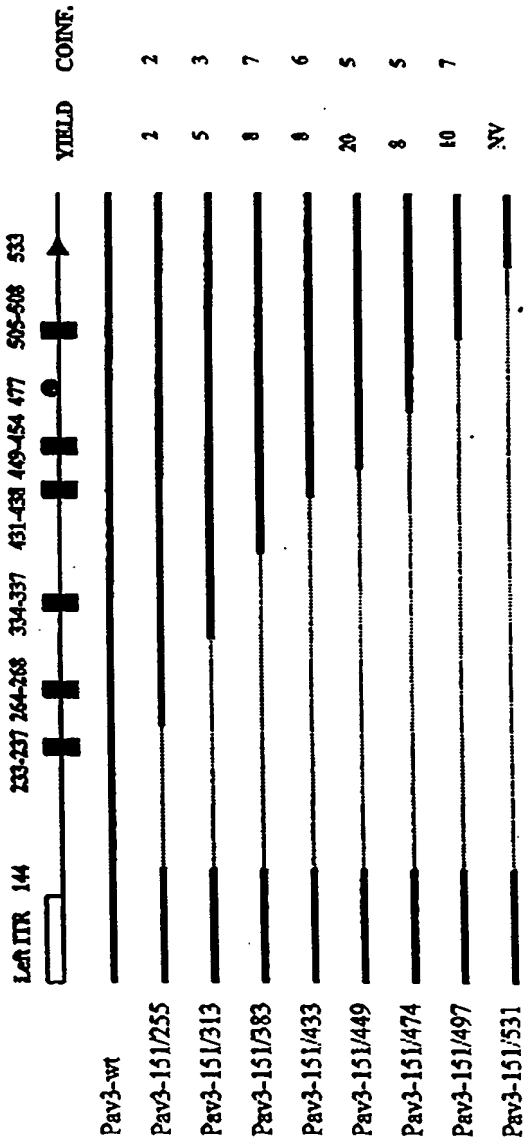

Left ITR 144
233-237 264-268 334-337 431-438 449-454 477 505-508 533
YIELD
CONF.
Pav3-wt
Pav3-151/255
Pav3-151/313
Pav3-151/383
Pav3-151/433
Pav3-151/449
Pav3-151/474
Pav3-151/497
Pav3-151/531
2 2
5 3
8 7
8 6
20 5
8 5
10 7
NV

Figure 6

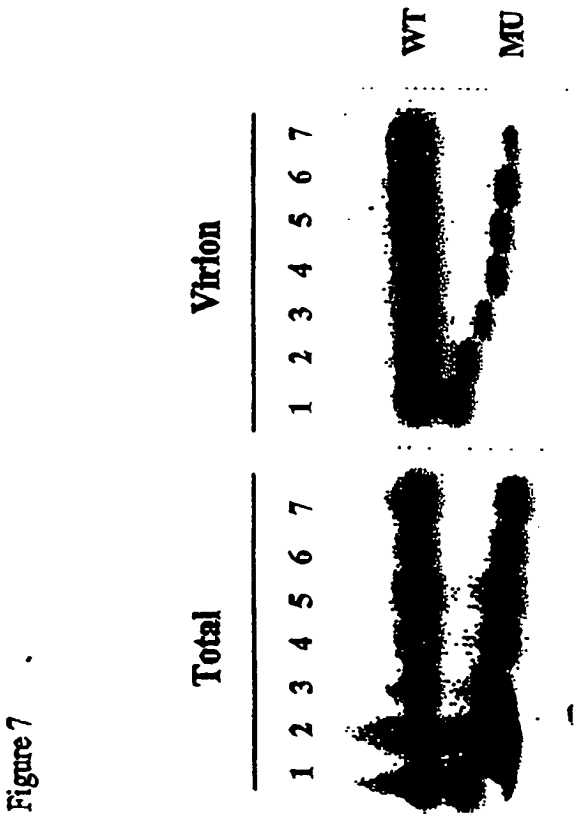


Figure 7

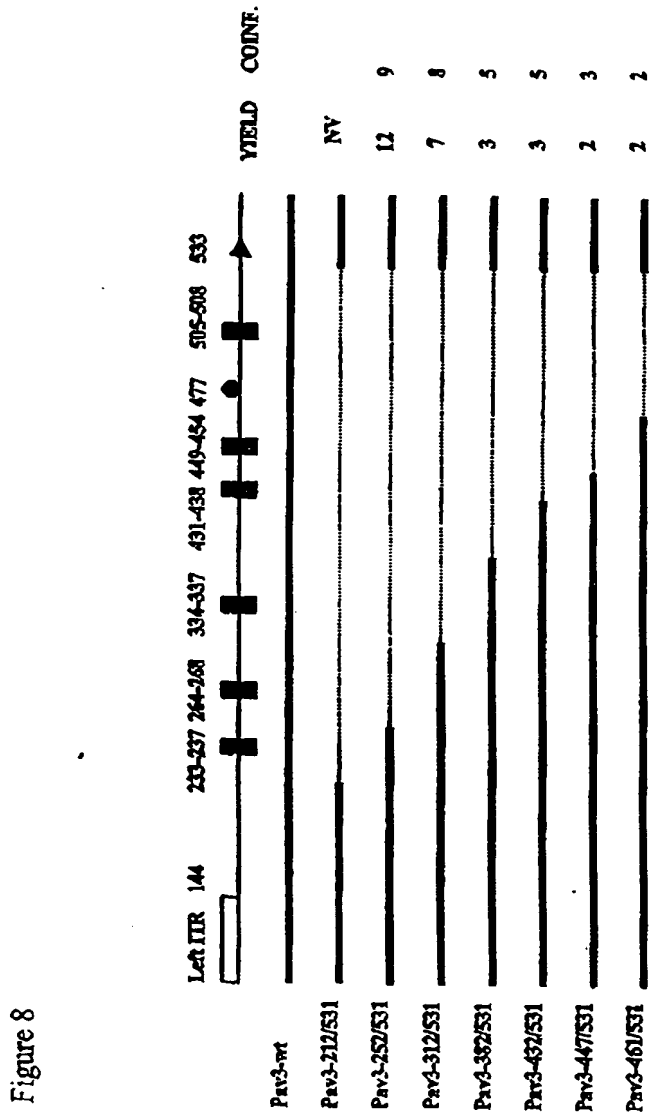

Left ITR 144
233-237 264-268 334-337 431-438 449-454 477 505-508 533
YIELD CONF.
Pav3-wt
Pav3-212/531 NV
Pav3-252/531 12 9
Pav3-312/531 7 8
Pav3-382/531 3 5
Pav3-432/531 3 5
Pav3-447/531 2 3
Pav3-461/531 2 2

Figure 8

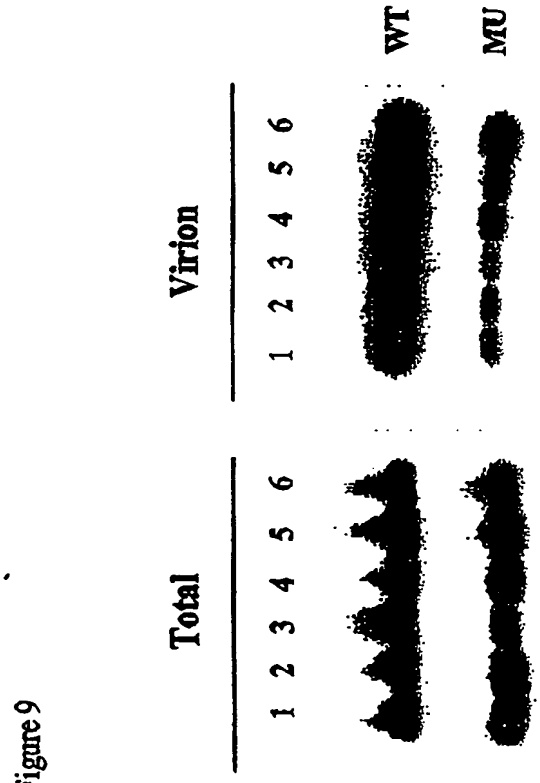


Figure 9

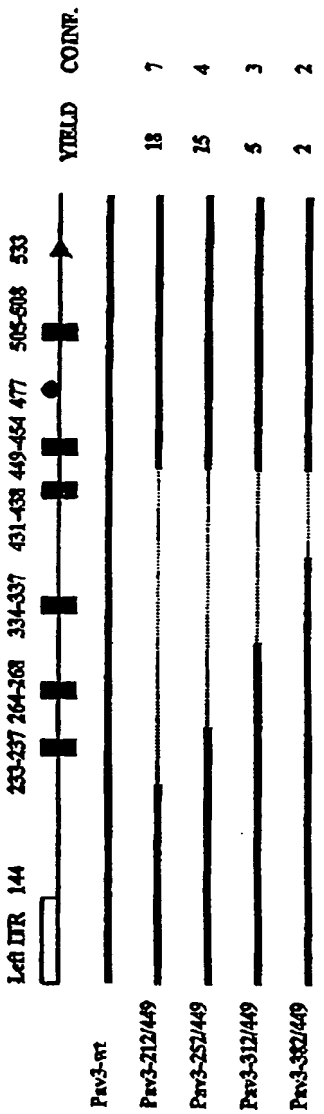

Left LTR 144
233-237
264-268
334-337
431-438
449-454
477
505-508
533
YIELD
CONF.
Pav3-wt
18
7
Pav3-212/449
15
4
Pav3-252/449
5
3
Pav3-312/449
2
2
Pav3-332/449

Figure 10

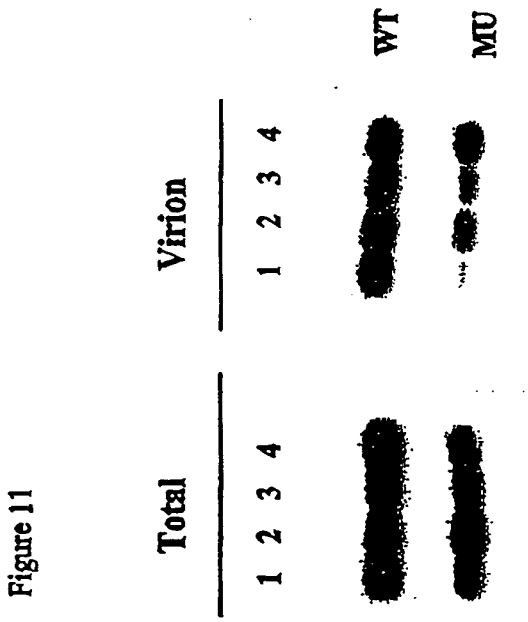
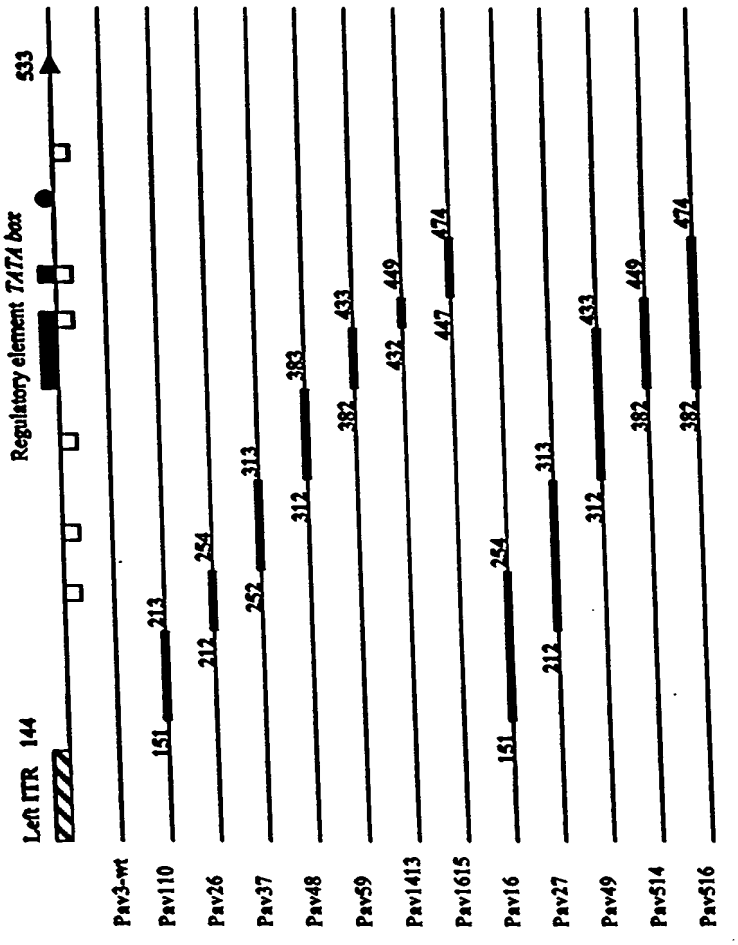


Figure 11

Figure 12

233-237	CGG	AAATT	CCCGCACA
264-268	GGG	ATTTT	GTGCCCTCT
334-337	CGG	TATT	CCCCACCTG
431-438	GTG	TATTTTTT	CCCCTCA
449-454	GTG	TATATA	GTCCGCGC
505-508	GAG	TTTT	CTCTCAGCG

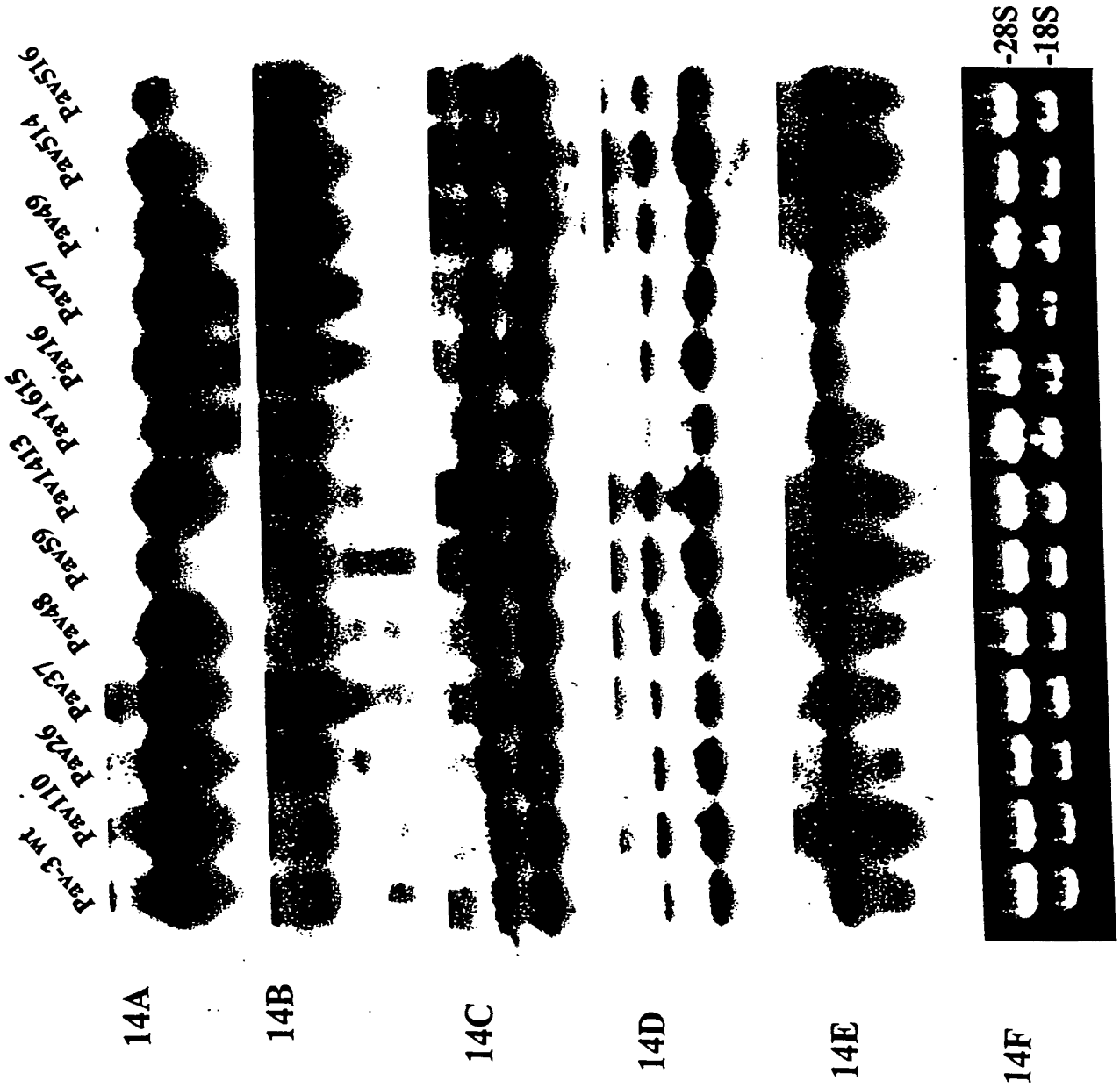
13A



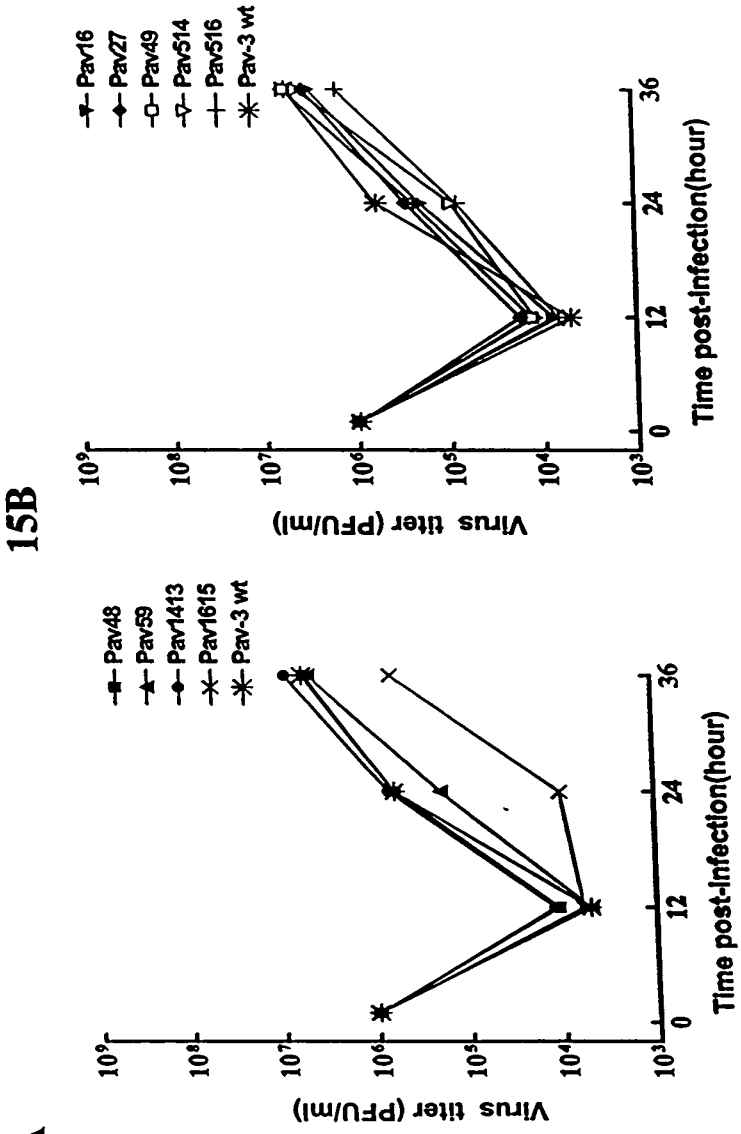
13B

Figures 13A-13B

Figures 14A-14F



14A 14B 14C 14D 14E 14F



Figures 15A-15B

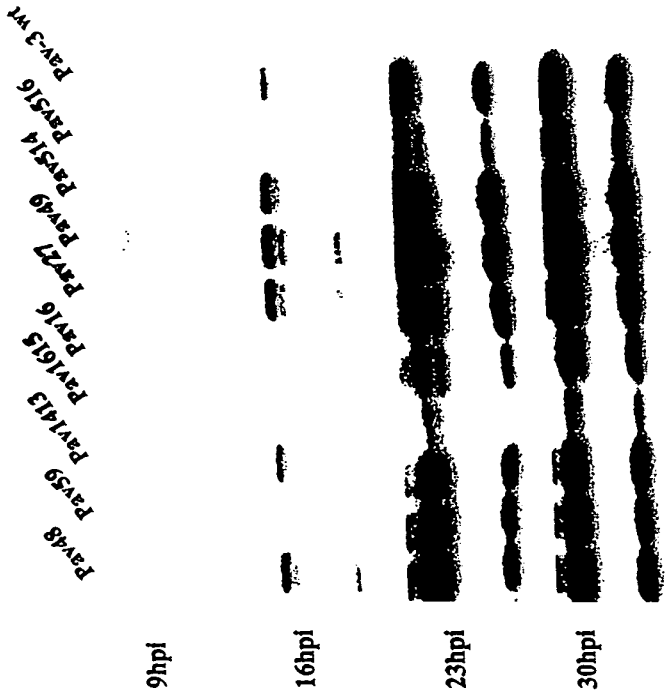

PAV-3 WT
PAV516
PAV514
PAV49
PAV21
PAV16
PAV1613
PAV1413
PAV59
PAV48
9hpi
16hpi
23hpi
30hpi

Figure 16

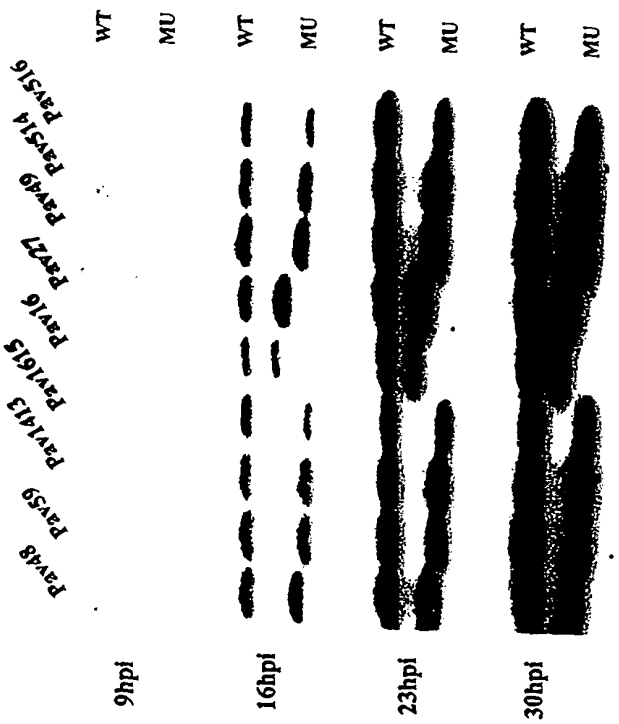
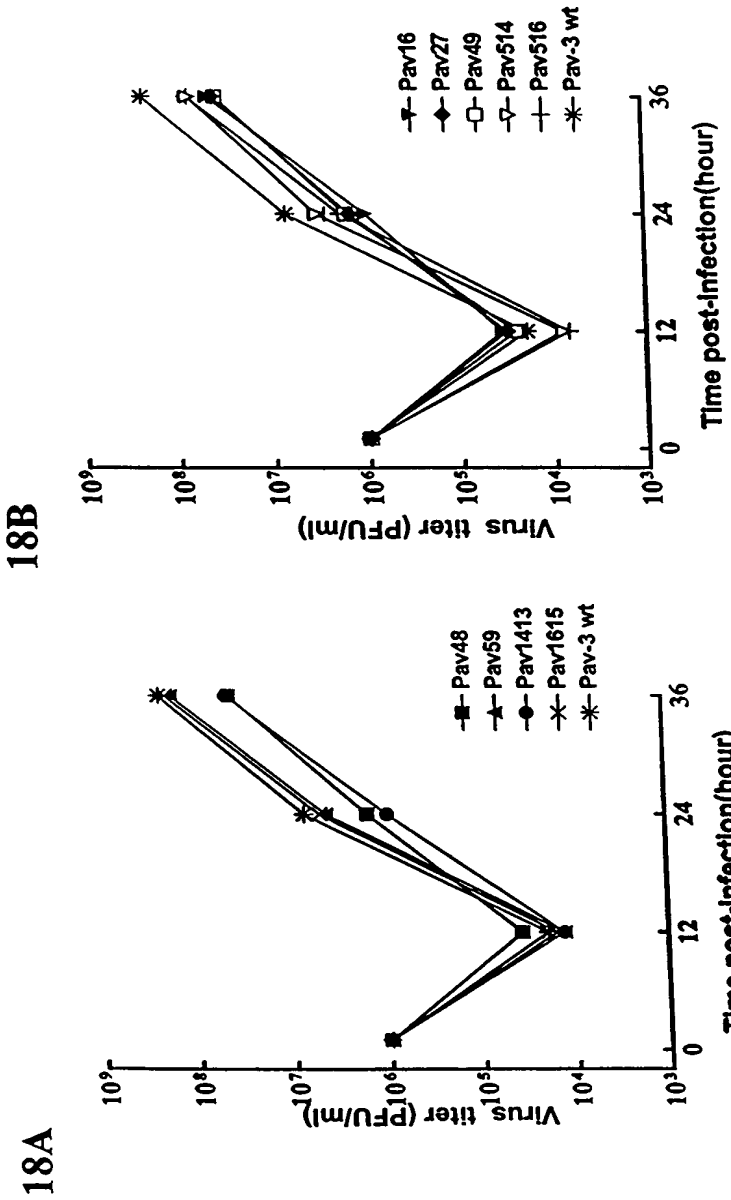

WT
MU
WT
MU
WT
MU
WT
MU
9hpi
16hpi
23hpi
30hpi
PAV48
PAV59
PAV413
PAV615
PAV16
PAV27
PAV49
PAV514
PAV516

Figure 17



Figures 18A-18B

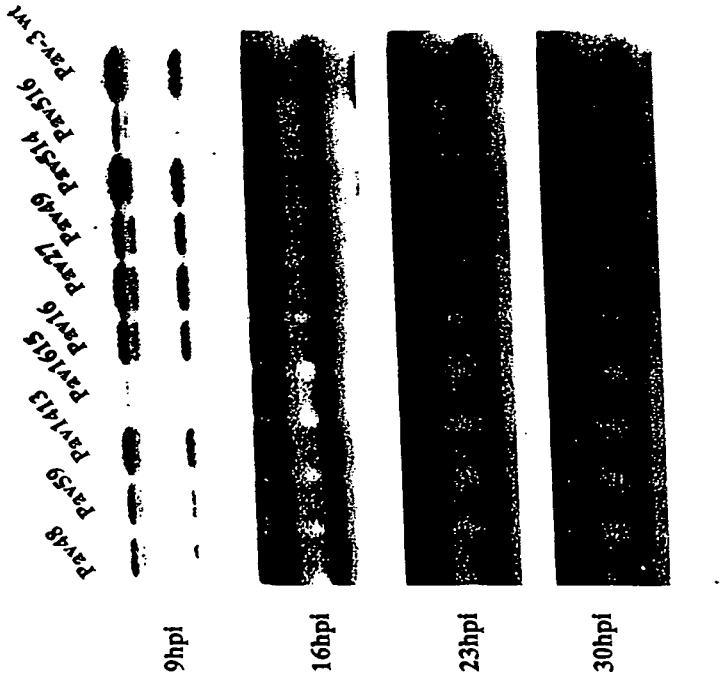

PAV-3 WT
PAV514
PAV516
PAV49
PAV27
PAV16
PAV1615
PAV1613
PAV59
PAV48
9hpi
16hpi
23hpi
30hpi

Figure 19

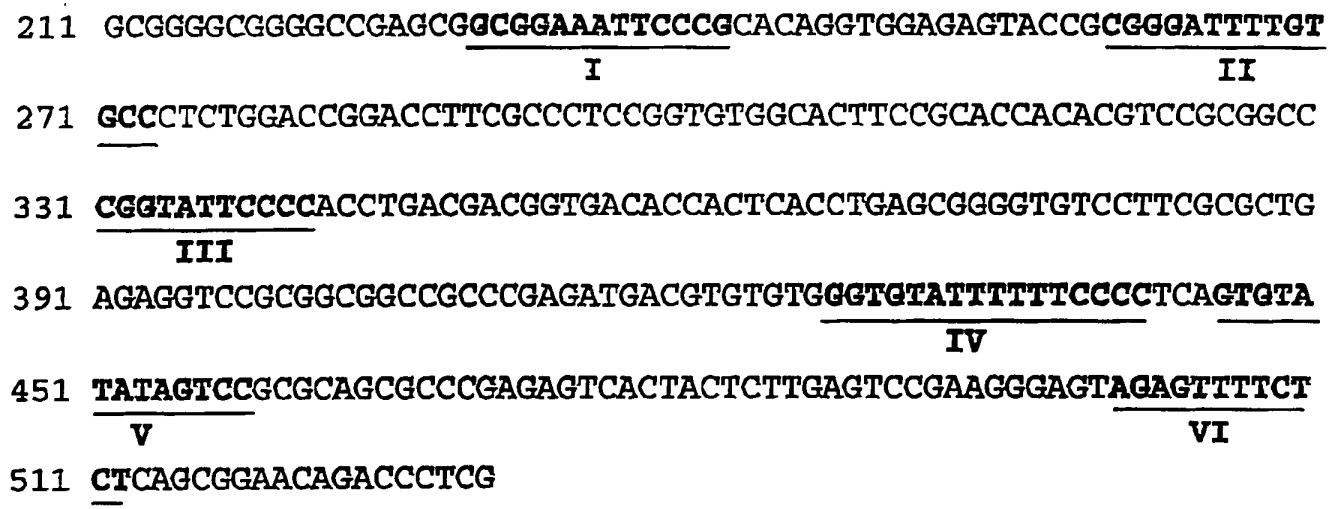
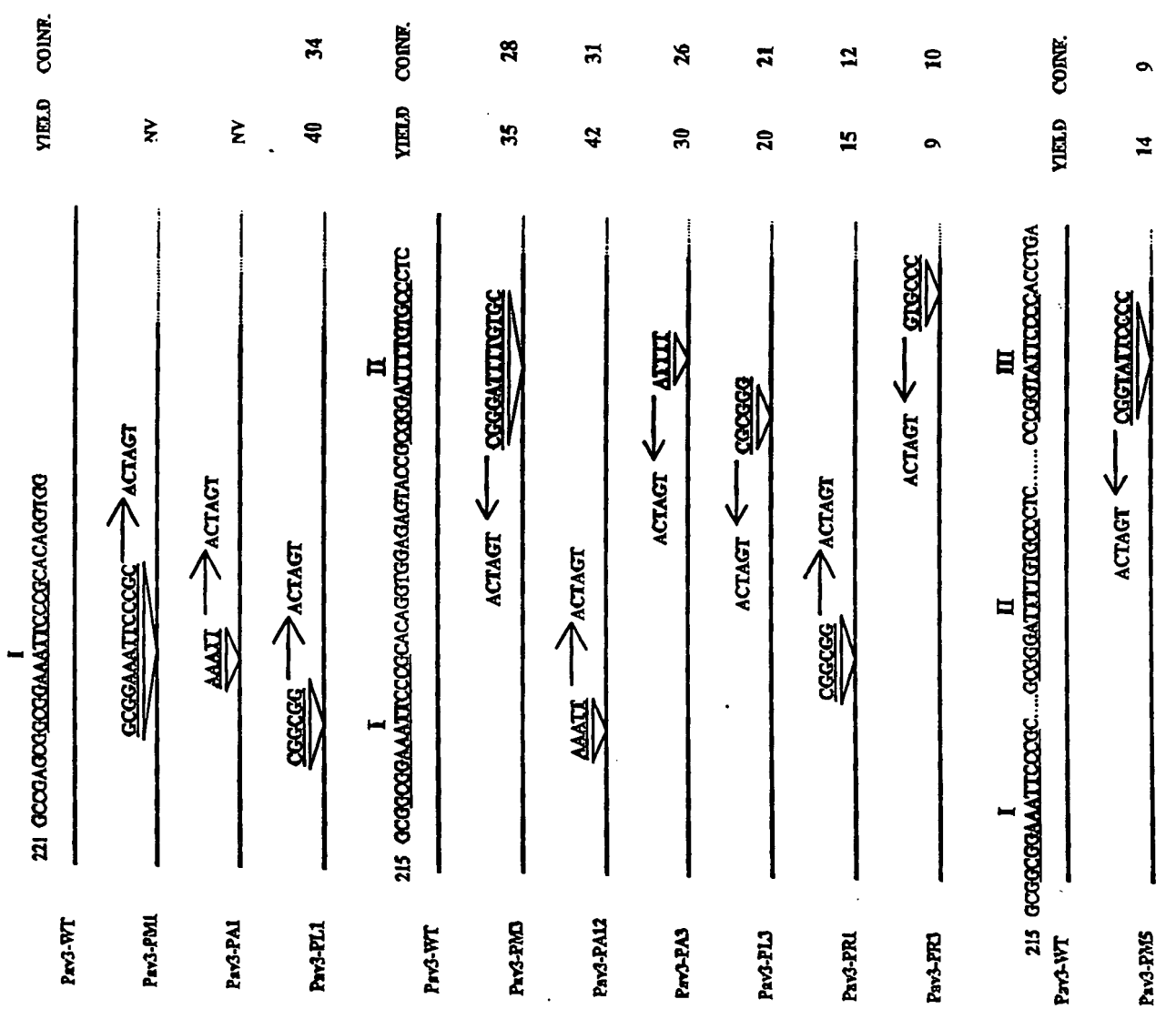


Figure 20

App No.: Not Yet Assigned
Inventor: Suresh K. TIKOO
Docket No.: 29310200360
Title: PAV REGIONS FOR ENCAPSIDATION, etc.

Figures 21A(1)-21A(3)



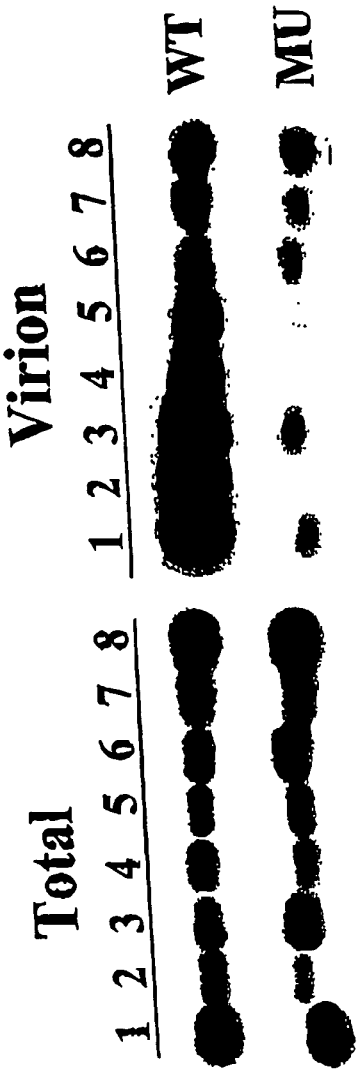


Figure 21B

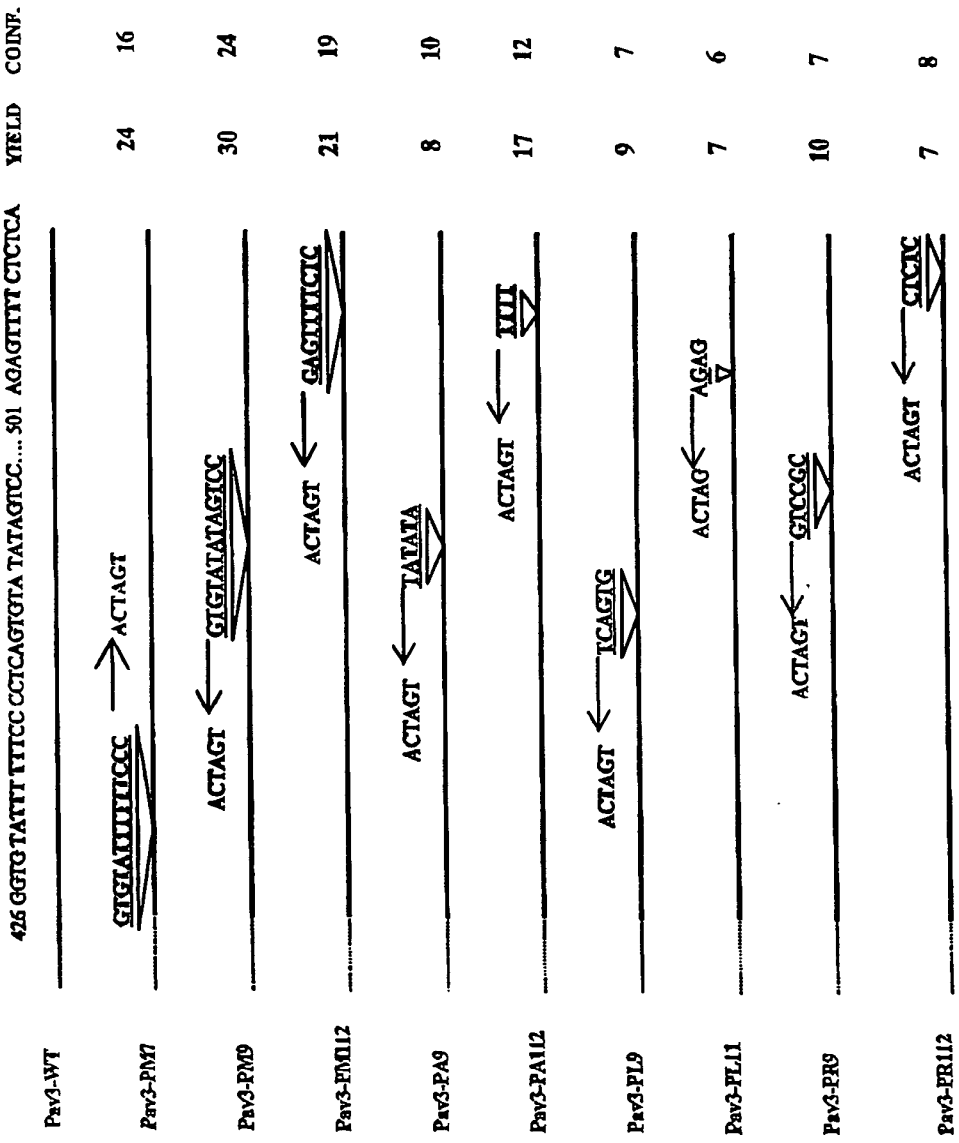

IV
V
VI
426 GGTG TATTT TTTCC CCTCAGTGTA TATAGTCC....501 AGAGTTTT CTCTCA
YIELD
CONF.
Pav3-WT
Pav3-PM7
GTGTATTTTTTCCC
ACTAGT
24
16
Pav3-PM9
ACTAGT
GTGTATATAGTCC
30
24
Pav3-PM112
ACTAGT
GAGTTTTCTC
21
19
Pav3-PA9
ACTAGT
TATATA
8
10
Pav3-PA112
ACTAGT
TTTT
17
12
Pav3-PL9
ACTAGT
TCAGTG
9
7
Pav3-PL11
ACTAG
AGAG
7
6
Pav3-PR9
ACTAGT
GTCCGC
10
7
Pav3-PR112
ACTAGT
CTCTC
7
8

Figure 22A

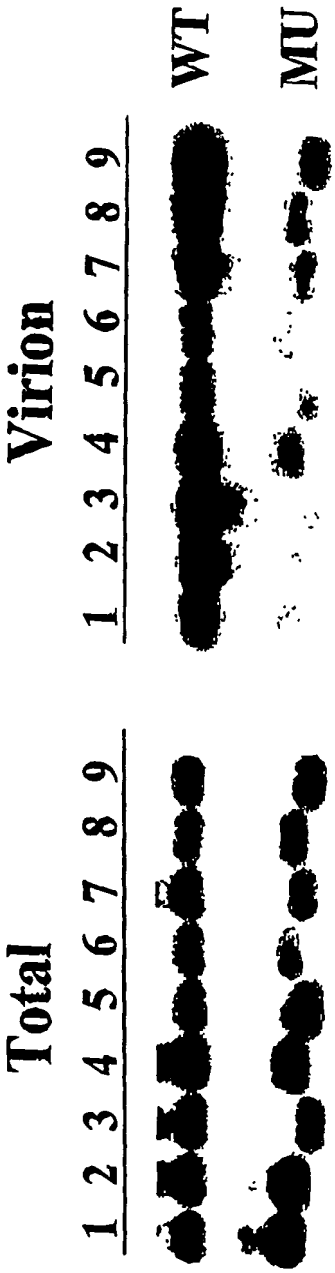
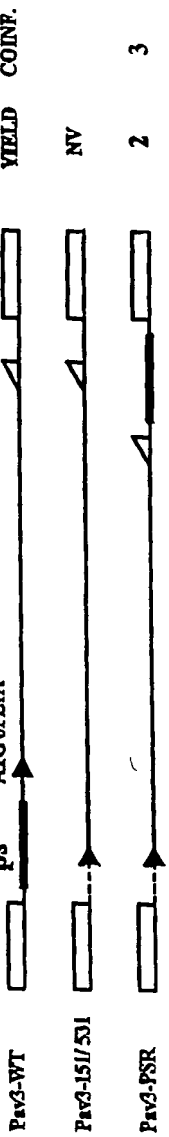
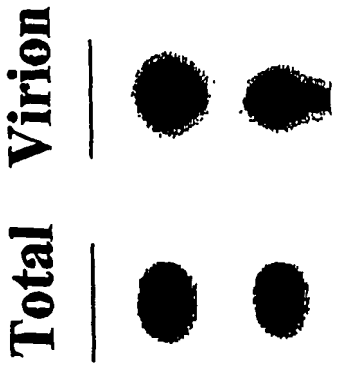


Figure 22B

Figures 23A-23B



23A



23B